

FEB 20 1981

DPM 713

ROHM AND HAAS COMPANY

CORPORATE HEALTH AND SAFETY

INDEPENDENCE MALL WEST

PHILADELPHIA, PA. 19105

EMERGENCY PHONE

215-592-3000 (ROHM AND HAAS)

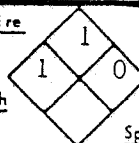
800-424-9300 (CHEMTREC)



HAZARD RATING:

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT
* = CHRONIC HEALTH HAZARD - SEE SECTION IV

Fire



Reactivity

Health

Special

LIST 6

MATERIAL SAFETY DATA SHEET

MATERIAL PLEXIGLAS® MOLDING POWDER VM PELLETS EG 100		CODE 3-1581	FREIGHT CLASSIFICATION PLASTIC, POWDER
FORMULA	CHEMICAL NAME AND SYNONYMS Acrylic molding powder		

I. HAZARDOUS INFORMATION

SUMMARY

Acrylic polymer (low levels of acrylic monomers may be generated when the polymer is heated during molding, extrusion, grinding, sawing, or machining operations)
Acrylic monomers (residual) (moderate health hazard)

WEIGHT %

99

TWA/TLV

Not estab.

0.5

See Section IV

II. PHYSICAL DATA

APPEARANCE - ODOR - PH.

Colorless pellets about 1/8" long; no odor

VISCOSITY

NA

MELTING OR FREEZING POINT

284F flow temp.

BOILING POINT

NA

VAPOR PRESSURE (MM HG)

NA

VAPOR DENSITY (AIR = 1)

NA

SOLUBILITY IN WATER

Negligible

PERCENT VOLATILE (BY WT.)

0

SPECIFIC GRAVITY (WATER = 1)

1.18

EVAPORATION RATE (BUTYL ACETATE = 1)

NA

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT

NA

AUTO IGNITION TEMPERATURE

900F

LOWER EXPLOSION LIMIT

NA

UPPER EXPLOSION LIMIT

NA

EXTINGUISHING MEDIA

☐ FOAM☐ "ALCOHOL" FOAM☒ CO₂☒ DRY CHEMICAL☒ WATER FOG☐ OTHER

SPECIAL FIRE FIGHTING PROCEDURES

Wear MESA/NIOSH approved self-contained breathing apparatus (Schedule 13).
Remove containers of pellets from fire area if possible to avoid degradation.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Burns vigorously with intense heat.

IV. HEALTH HAZARD DATA

RECOMMENDED ROHM AND HAAS HEALTH GUIDE TWA (MAXIMUM TIME WEIGHTED AVERAGE CONCENTRATION FOR AN 8-HOUR WORK PERIOD)

Acrylic monomer - 50 ppm measured as MMA

EFFECTS OF OVEREXPOSURE

Polymer dust particles may cause minor eye and skin irritation as would any foreign body and may irritate the respiratory tract on prolonged or repeated contact.

Monomer vapors, given off at high temperatures, may cause irritation of the eyes and mucous membranes, nausea, headache, and dizziness.

INHALATION

Move subject to fresh air.

EYE AND SKIN CONTACT

Flush eyes with large amount of water for at least 15 minutes. Consult a physician if irritation persists. Wash affected skin areas with soap and water.

INGESTION

Material is inert and should not cause any harmful effects under normal circumstances.

V. REACTIVITY DATA

STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID Depolymerizes to monomer rapidly at temperatures greater than 600F. Avoid contact with ignition sources.
HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition may yield oxides of carbon and acrylic monomers.	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID NA
INCOMPATIBILITY (MATERIALS TO AVOID) <input type="checkbox"/> WATER <input type="checkbox"/> OTHER None	

VI. SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Sweep up and shovel into containers for recovery or disposal.
Consider reuse if not contaminated.

WASTE DISPOSAL METHODS

Incinerate in approved equipment or landfill according to local, state and federal regulations. May be handled as ordinary trash.

VII. SPECIAL PROTECTION INFORMATION

TYPE VENTILATION Normal room ventilation. If overheating occurs during processing, exhaust ventilation should be provided.

RESPIRATORY PROTECTION

None required for normal operations.

PROTECTIVE GLOVES

Cotton or canvas

EYE PROTECTION

Safety glasses with side shields (ANSI Z87.1, 1968)

THER PROTECTIVE EQUIPMENT

Eyewash facility

VIII. STORAGE AND LABELING

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
A.X. MIN.	YES	NO	NO	YES
COMMENTS Store at ambient temperatures.				

IX. TOXICITY INFORMATION

X. MISCELLANEOUS INFORMATION

Lexiglas® is a registered trademark of Rohm and Haas Company.

A = NOT APPLICABLE
C = CEILING VALUE

DE 3-1581

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.
VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSON PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL, EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED. FURTHER MORE, VENDEE ASSUMES THE RISK IN HIS USE OF THE MATERIAL.

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PREPARED BY <i>Michele Protantano</i>	